

Application Serial No. 10/607,227
Amendment After Final dated January 4, 2007
Reply to Office Action dated October 6, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-36. (canceled)

37. (new): A method of cleaning and disinfecting a surface or an item of equipment, comprising the steps of:

providing a cleaning kit comprising:

a first container comprising a peroxide; and

a second container comprising an alkaline component capable of raising the pH of the contents of the first and second containers into the alkaline range; and

applying the contents of the first and second containers to at least one of the surface and the item of equipment.

38. (new): The method of Claim 37, wherein the alkaline component includes at least one of carbonates, phosphates, silicates, borates and hydroxides.

39. (new): The method of Claim 37, wherein the peroxide and the alkaline component are in liquid form.

40. (new): The method of Claim 37, wherein said applying step further comprises mixing the peroxide and the alkaline component.

41. (new): The method of Claim 37, wherein said applying step further comprises at least one of foaming the cleaning composition on the surface and foaming the cleaning composition onto or into the item of equipment.

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42. (new): The method of Claim 37, wherein the cleaning kit is formulated to be low foaming during said applying step.

43. (new): The method of Claim 37, wherein the cleaning kit is formulated to be moderately foaming during said applying step.

44. (new): The method of Claim 37, wherein the cleaning kit is formulated to be high foaming during said applying step.

45. (new): The method of Claim 37, wherein the peroxide is at a concentration of between approximately 0.1 to 70%.

46. (new): The method of Claim 37, wherein the peroxide has a pH of between approximately 4.5 to 7.

47. (new): The method of Claim 37, wherein at least one of the first and second containers further includes a functional material.

48. (new): The method of Claim 37, wherein at least one of the first and second containers further includes an oxygen-stable surfactant.

49. (new): The method of Claim 48, wherein the oxygen-stable surfactant is an amine oxide.

50. (new): The method of Claim 48, wherein the oxygen-stable surfactant is an anionic surfactant comprising at least one of a sulfate and a sulfonate of oils and fatty acids.

51. (new): The method of Claim 48, wherein the oxygen-stable surfactant is a non-ionic ethoxylated alcohol.

52. (new): The method of Claim 48, wherein the oxygen-stable surfactant is at least one of a diphenyl sulfonate and a diphenyl sulfonate derivative.

53. (new): The method of Claim 37, wherein the alkaline component is at a concentration of between approximately 0.1 to 50%.

54. (new): The method of Claim 37, wherein the alkaline component is at a concentration of between approximately 5 to 15%.

55. (new): The method of Claim 37, wherein the alkaline component has a pH of between approximately 10 to 13.

56. (new): The method of Claim 37, wherein at least one of the first and second containers includes at least one part amine oxide to between 5 and 99 parts hydrogen peroxide on an active weight basis.

57. (new): A method of cleaning and disinfecting a surface or an item of equipment, comprising the steps of:

providing a cleaning composition in dry form, the cleaning composition consisting essentially of a peroxide and an alkaline component, the alkaline component capable of raising the pH of the cleaning composition into the alkaline range; and

applying the cleaning composition in dry form to at least one of the surface and the item of equipment.

58. (new): The method of Claim 57, wherein the alkaline component includes at least one of carbonates, phosphates, silicates, borates and hydroxides.

59. (new): The method of Claim 57, wherein said providing step further comprises providing the peroxide and the alkaline component in first and second containers, respectively, and said applying step further comprises mixing the peroxide and the alkaline component.

60. (new): The method of Claim 57, wherein said providing step further comprises providing the peroxide and the alkaline component in a single container.

61. (new): The method of Claim 57, wherein the peroxide has a pH of between approximately 7 to 14.

62. (new): The method of Claim 57, wherein the cleaning composition includes a functional material.

63. (new): The method of Claim 57, wherein the cleaning composition further includes an oxygen-stable surfactant.

64. (new): The method of Claim 63, wherein the oxygen-stable surfactant is an amine oxide.

65. (new): The method of Claim 63, wherein the oxygen-stable surfactant is an anionic surfactant comprising at least one of a sulfate and a sulfonate of oils and fatty acids.

66. (new): The method of Claim 63, wherein the oxygen-stable surfactant is a non-ionic ethoxylated alcohol.

67. (new): The method of Claim 63, wherein the oxygen-stable surfactant is at least one of a diphenyl sulfonate and a diphenyl sulfonate derivative.

68. (new): The method of Claim 57, wherein the alkaline component is at a concentration of between approximately 0.1 to 50%.

69. (new): The method of Claim 57, wherein the alkaline component has a pH of between approximately 10 to 13.

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70. (new): The method of Claim 57, wherein the cleaning composition includes at least one part amine oxide to between 5 and 99 parts hydrogen peroxide on an active weight basis.

71. (new): A method of cleaning and disinfecting a surface or an item of equipment, comprising the steps of:

providing a cleaning composition in dry form, the cleaning composition consisting essentially of a peroxide; and

applying the cleaning composition in dry form to at least one of the surface and the item of equipment.

72. (new): The method of Claim 71, wherein the peroxide has a pH of between approximately 7 to 14.

73. (new): The method of Claim 71, wherein the cleaning composition includes a functional material.

74. (new): The method of Claim 71, wherein the cleaning composition further includes an oxygen-stable surfactant.

75. (new): The method of Claim 74, wherein the oxygen-stable surfactant is an amine oxide.

76. (new): The method of Claim 74, wherein the oxygen-stable surfactant is an anionic surfactant comprising at least one of a sulfate and a sulfonate of oils and fatty acids.

77. (new): The method of Claim 74, wherein the oxygen-stable surfactant is a non-ionic ethoxylated alcohol.

78. (new): The method of Claim 74, wherein the oxygen-stable surfactant is at least one of a diphenyl sulfonate and a diphenyl sulfonate derivative.

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79. (new): The method of Claim 71, wherein the cleaning composition includes at least one part amine oxide to between 5 and 99 parts hydrogen peroxide on an active weight basis.